DUCTION AND SUPPLIES IN THE MINISTRY OF DEFENCE (SHRI *SHIV* RAJ PATIL) (a) Yes, Sir, Government propose to *permit import* of computers which are not being manufactured in the country on the basis of the actual reipire-niente.

(b) Deeision has been taken to put certain large co.mpu.$er systems above a particular level which are not being ma-nufactund in the country on Open General Lichee.

(c) the *minimum* configuration of the compute system under OGL has been ar-rived at taking into *con&dziptim* the capacity r of the indigenous manufacturers in-dudiag CGIL to produce suck computers.

(d) The computer systenis available in the courtry cannot ,meet all the large and specialised requirements. For such appy-cations it is necessary to consider the import of !are' .mamber systems Such Computer .system,* have been not under Opes General *LA-M* so that!>ie procedural delavs for procuremert if sueb computer systems to projecis of national grntortance'are mimimised.

U.S. Technology for production of f-5 llghter-cum-trainer aircraft

412. SHRI SURESH KALMADI: Will the Minister of DEFENCE be pleased to state

(a) whether it is a fact that the U.S.A. has offered to transfer technology to India to (facilitate indigenous production of F-5 1iighter-cum-trainer aircraft; and

(b) if so, what are the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF DEFENCE (SHRI SANTOSH MOHAN DEV): (a) Yes, Sir.

(b) It would not be in the public in-iterest to disdlose further details in this regard.

413. PROF. C, LAKSHMANNA -WIll Ihe PRIME MINISTER be PLEASED to state;

(a) .whether it is a fact that CSIR gni-delines which have been laid dpwn to en courage the parcipatipn of CSIR Scien--tists in international Conference are not being followed in some of the CSIR establishment such as ITRC, Lucknow;

(b) whether it has come to the know-ledge of the Government if any injustice done jo" any ITRC Scientists with regards to his participation in an International Conference; and

(c) what steps are being taken to avoid such injustice meted put to Scientists especially in view of the sensitivity of these scientists?

THE MINISTER OF (STATE IN THE DEPARTMENT OF DEFENCE PRO-*DUCTION* AND SUPPLIES IN *the* MIMSERY OF BEPENCE (SHRI SHIVRAJ PATIL. .(A) and <b) Mo, sir.

(e) does not arise.

Ocean development In India

414. SHRI S. S. AHLUWALIA: Will the PRIME MINISTER be pleased to state:

(a) what expenditure has been incurred by the Government on ocean development so far;

(b) whether major aims behind such expenditure also include exploration of natural resources lying in the oceans,- if *so, the* details thereof;

(c) whether any assessment have so far been made to ascertain the monetary value of the resources explored procured so far or estimated to be procured in the near-future; and

(d) how does the gains, if any, com pare with expenditure incurred on this account?

THE MINISTER OF STATE IN THE DEPARTMENT OF DEFENCE PRODUCTION AND SUPPLIES IN THE MINISTRY OF DEFENCE (SHRI SHIVRAJ PATIL): (a) The expenditure incurred by the Department of Ocean Development, since it was created as a separate Department in March 1982 has been on an average Rs. 18 crores per year.

(b) Yes, Sir. The major programmes of the Department include survey and exploration of living and non living resources within the Exclusive Economic Zone, survey and exploration of deep seabed for polymetallic nodules, Antarctic Research, exploration of renewable sources of energy from waves etc.

(c) No such estimates can be made accurately at this stage.

(d) The expenditure incurred so far is an invesianent for the future socio-economic gains to the country. However, there have been tangible gains in the sense that in India the production of seafood and the export of marine products are showing progressive increase. Exploitation of offshore minerals such as ilmenite, mona-zite, etc., has also been gaining momentum. Recently the United Nations has allocated an exclusive site to India for the exploration 0f minerals in the Central Indian Ocean. In Antarctica, India's continued work has won the country an international acclaim.

Vessels for expeditions to Antarctica

415. SHRI S. S. AHLUWALIA: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that the vessels being used for expeditions to Antarctica are hired from foreign countries;

(b) if so, the expenditure incurred towards the hire charges of the vessels during the last three years, year-wise;

(c) whether efforts were made to build indigenous vessels for the expeditions; if so, the details of efforts made so far by the Government;

(d) what are the details of major constraints which compelled th© Government to hire foreign vessels for the expeditions; and

(e) what is the plan of the Government to build vessels for the purpose indigenously?

THE MINISTER OF STATE IN THE DEPARTMENT OF DEFENCE PRODUCTION AND SUPPLIES IN THE MINISTRY OF DEFENCE (SHRI SHIVRAJ PATIL): (a) Yes, Sir.

(b) The yearly expenditure is indicated below:

Year	Expedition No.	Expenditure including hire charges, mobilisation/demobilisation, food and lodging expenses, fuel, insurance, port charges etc.
1987-88	7th expedition	Rs. 3.26 crores approx.
1986-87	6th expedition	Rs. 2.90 crores approx.
1985-86	5th expedition	Rs. 3.22 crores approx.

(c) No, Sir.

(d) It will not be economically viable to invest large sums of money in infrastructure for building such a specialised vessel in the country in the context of our limited requirement.

(e) Government have no plan to build such vessels indigenously.